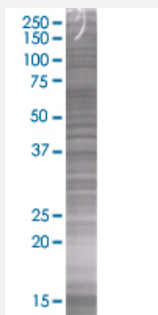


AKR1C2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001646-T01

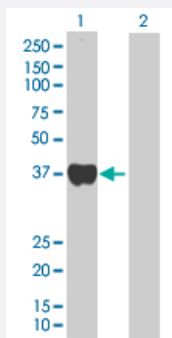
Size 100 uL

Applications



SDS-PAGE Gel

AKR1C2 transfected lysate



Western Blot

Lane 1: AKR1C2 transfected lysate (35.53 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AKR1C2 full-length
Host	Human
Theoretical MW (kDa)	35.53
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-AKR1C2 antibody (H00001646-B02) by Western Blots. SDS-PAGE Gel AKR1C2 transfected lysate Western Blot Lane 1: AKR1C2 transfected lysate (35.53 KDa). Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AKR1C2

Entrez GeneID	1646
GeneBank Accession#	BC007024
Protein Accession#	AAH07024
Gene Name	AKR1C2
Gene Alias	AKR1C-pseudo, BABP, DD, DD2, DDH2, HAKRD, HBAB, MCDR2
Gene Description	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein ; 3-alpha hydroxysteroid dehydrogenase, type III)
Omim ID	600450
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10 p15-p14. [provided by RefSeq]
Other Designations	OTTHUMP00000018995 OTTHUMP00000044759 aldo-keto reductase family 1, member C2 chlordecone reductase homolog pseudo-chlordecone reductase trans-1,2-dihydrobenzene-1,2-diol dehydrogenase type II dihydrodiol dehydrogenase

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)